



QUARTERLY LETTER OF INFORMATION OF THE FEDERAL HORTICULTURAL BOARD.

UNITED STATES DEPARTMENT OF AGRICULTURE.

NO. 32.

JULY, 1919

GENERAL NOTES.

Two quarantines have been promulgated since the issuance of "Quarterly Letter of Information" No. 31, April, 1919, namely, Domestic Quarantine No. 38, on account of the black stem rust, and Foreign Quarantine No. 39, with regulations, on account of flag smut and take-all diseases.

Quarantine No. 38 provides that no plants of the following species of *Berberis* shall be moved or allowed to move interstate to points outside of the quarantined area:

Berberis aethenis, *B. altaica*, *B. amurensis*, *B. aristata*, *B. asiatica*, *B. atropurpurea*, *B. brachybotrys*, *B. brevipaniculata*, *B. buxifolia*, *B. canadensis*, *B. caroliniana* (*carolina*), *B. coriaria*, *B. cretica*, *B. declinatum*, *B. fendleri*, *B. fischeri*, *B. fremontii*, *B. heteropoda*, *B. ilicifolia*, *B. integerrima*, *B. laciflora*, *B. lycium*, *B. macrophylla*, *B. neapalensis*, *B. neubertii*, *B. siberica*, *B. sieboldii*, *B. sinensis*, *B. trifoliolata*, *B. umbellata*, *B. vulgaris*, including its subspecies and horticultural varieties *Mahonia aquifolium*, *M. diversifolia*, *M. glauca*, and *M. repens*.

The following States have been quarantined, effective May 1, 1919:

Alabama, Arizona, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Idaho, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, Missouri, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and West Virginia, and the District of Columbia.

Quarantine No. 39, with regulations (effective on and after August 15, 1919), prohibits the importation of seed or paddy rice from Australia, India, Japan, Italy, France, Germany, Belgium, Great Britain, Ireland, and Brazil, on account of two dangerous plant diseases known as flag smut (*Urocystis tritici*) and take-all (*Ophiobolus graminis*). Wheat, oats, barley, and rye may be imported from the countries named only on compliance with the conditions prescribed in the regulations of the Secretary of Agriculture.

C. L. MARLATT, *Chairman of Board.*

**LIST, BY COUNTRIES, OF PESTS COLLECTED AND REPORTED FROM APRIL 1, 1919, TO
JUNE 30, 1919, INCLUSIVE.**

[The number in parentheses following name of host indicates the number of times reported, if collected more than once.]

Country of origin and name of pest.	Host.
AFRICA.	
Insects:	
Calandra oryza (rice weevil).....	Wheat.
Coccotrypes sp. (Scolytidae).....	Palm nuts.
Curculionid.....	Wheat.
Cymatodera sp. (Cleridae).....	Palm nuts.
Necrobia rufipes (red-legged ham beetle).....	Do.
Targionia hartii (scale insect).....	Sweet potatoes.
Do.....	Yams.
Diseases:	
Cladotrichum sp.....	Strophanthus gratus.
Diplosporium sp.....	Achras zapota.
Fusarium sp.....	Do.
Do.....	Cassia fistula.
Do.....	Elephantopus floribunda.
Do.....	Hyophorbe verschaffeltii.
Do.....	Tephrosia vogelii.
Do.....	Thrinax microcarpa.
Mycogyne puccinioides.....	Elephantopus floribunda.
Sporotrichum sp.....	Tephrosia vogelii.
Zychorrhynchus sp.....	Caesalpinia.
ALGERIA.	
Insects:	
Microbracon sp. (Braconidae).....	Trifolium panormitanum.
Parlatoria calianthina (scale insect).....	Pyrus communis.
Phycitid.....	Cotton seed.
Disease:	
Phyllachora trifolii.....	Trifolium panormitanum.
ARGENTINA.	
Diseases:	
Aspergillus.....	Oxalis.
Aspergillus flavus.....	Larrea divaricata.
Chaetomium olivaceum.....	Oxalis (?).
Dendrodochium sp.....	Oxalis.
Verticillium sp.....	Do.
AUSTRALIA.	
Insects:	
Alphitobius piceus (Tenebrionidae).....	Wheat.
Calandra oryza (rice weevil).....	Wheat (2).
Saissetia hemisphaerica (hemispherical scale).....	Chrysanthemum.
Silvanus surinamensis (saw-toothed grain beetle).....	Wheat.
Tribolium confusum (confused flour beetle).....	Do.
Disease:	
Cephalothecium roseum.....	Chrysanthemum.
BELGIUM.	
Insects:	
Aphid.....	Bay trees.
Apicia confusaria (Geometridae).....	Boxwood.
Aspidiotus britannicus (scale insect).....	Bay trees.
Do.....	Laurel trees.
Aspidiotus hederæ (ivy scale).....	Do.
Chrysomphalus aonidum (Florida red scale).....	Do.
Coccus hesperidum (soft brown scale).....	Bay trees (8).
Gracilaria zachrysa (azalea leaf-miner).....	Azalea (2).
Hemichionaspis aspidistrae (Aspidistra scale).....	Azalea sp.
Macrosiphum sanborni (Chrysanthemum aphid).....	Greenhouse plants.
Phlyctaenia ferrugalis (green-house leaf-tyer).....	Azalea.
Disease:	
Exobasidium sp.....	Do. (2).

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
BERMUDA.	
Insects:	
Diaspis boisduvalii (scale insect).....	Pandanus.
Do.....	Pandanus veitchii.
Diaspis sp. (scale insect).....	Do.
Hemichionaspis aspidistrae (Aspidistra scale).....	Aspidistra.
BRAZIL.	
Insect:	
Cathartus advena (foreign grain beetle).....	Coix.
Disease:	
Aspergillus flavus.....	Theobroma cacao.
BRITISH GUIANA.	
Disease:	
Monilia sp.....	Caryocar nucifera.
BRITISH WEST INDIES.	
Insects:	
Howardia biclavis (mining scale).....	Cacao.
Pycnocelus surinamensis (roach).....	Bougainvillea (soil around).
Do.....	Rose (soil around).
Diseases:	
Cladosporium sp.....	Ipomoea batatas.
Diplodia tubericola.....	Do.
Fusarium sp.....	Colocasia esculenta.
Do.....	Ipomoea batatas.
Penicillium sp.....	Dioscorea pentaphylla.
Do.....	Ipomoea batatas.
Rhizopus nigricans.....	Dioscorea pentaphylla.
Do.....	Ipomoea batatas.
Sclerotium rolfsii.....	Colocasia esculenta.
CHINA.	
Insects:	
Bruchid.....	Leguminosae.
Parlatoria pergandei (chaff scale).....	Citrus.
Diseases:	
Cladosporium graminum.....	Eremochloa ophiuroides.
Fusarium sp.....	Citrus fruit.
Do.....	Eremochloa ophiuroides.
Penicillium digitatum.....	Citrus fruit.
Pseudomonas citri.....	Oranges (2).
COLOMBIA.	
Insects:	
Alphitobius piceus (Tenebrionidae).....	Beans.
Do.....	Peas.
Do.....	Seeds.
Blaberus atropis (roach).....	Orchids.
Bruchus obtectus (bean weevil).....	Phaseolus vulgaris.
Bruchus sp. (weevil).....	Seeds.
Carpophilus dimidiatus (Nitidulidae).....	Beans.
Do.....	Peas.
Euchroma gigantea var. goliath (Buprestidae).....	(?)
Lasioderma serricorne (cigarette beetle).....	Beans.
Do.....	Peas.
Do.....	Seeds.
Loborus sp. (Cryptophagidae).....	Crotalaria sp.
Lonchaea polita (Sapromyzidae).....	Seeds (miscellaneous).
Monomorium pharaonis (small red ant).....	Seeds.
Panchlora sp. (roach).....	Orchids.
Periplaneta australasiae (roach).....	Do.
Pycnoscelus surinamensis (roach).....	Do.
Silvanus surinamensis (saw-toothed grain beetle).....	Beans.
Do.....	Peas.
Strategus julianus (Scarabaeidae).....	(?)

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
COLOMBIA—continued.	
Diseases:	
Aspergillus niger.....	Solanum tuberosum (tubers).
Bacterial soft rot.....	Avocados (2).
Fusarium sp.....	Do.
Do.....	Solanum tuberosum (tubers).
Gloeosporium sp.....	Persea gratissima.
Penicillium sp.....	Solanum tuberosum (tubers).
Pestalozzia guepini.....	Avocados (2).
COSTA RICA.	
Insects:	
Coccotrypes (Scolytidae).....	Anona seed.
Do.....	Chamaedorea karwinskiana.
Crematogaster sp. (ant).....	Bromelia.
Pheidole sp. (ant).....	Do.
Do.....	Orchids.
CUBA.	
Insects:	
Anastrepha fraterculus (?) (Trypetidae).....	Grapefruit.
Do.....	Mango (3).
Carpophilus dimidiatus (Nitidulidae).....	Tubers.
Drosophila sp.....	Mango.
Pseudococcus sacchari (mealy bug).....	Sugar cane.
Diseases:	
Aspergillus flavus.....	Saccharum officinarum (stalks).
Cercospora vaginiae.....	Saccharum officinarum.
Melanconium sacchari.....	Saccharum officinarum (stalks).
Penicillium sp.....	Do.
ECUADOR.	
Diseases:	
Colletotrichum sp.....	Avocado (bud wood).
Pestalozzia sp.....	Rhipsalis (cuttings).
ENGLAND.	
Insects:	
Aspidiotus hederae (ivy scale).....	Palms (2).
Calandra oryza (rice weevil).....	Rubus lutescens.
Coccus hesperidum (soft brown scale).....	Oranges.
Diaspis boisduvalii (scale insect).....	Orchid (2).
Eucalymnatus tessellatus (tessellated scale).....	Cypripedium.
Lepidosaphes beckii (purple scale).....	Oranges.
Pseudococcus sp. (mealy bug).....	Actus.
Do.....	Erica sp.
Disease:	
Exobasidium.....	Rhododendrons.
FRANCE.	
Insects:	
Aphid.....	Cherry.
Armadillidium vulgare (sow bug).....	(?)
Elaterid (beetle).....	Abies roots.
Emphytus cinctus (sawfly).....	Manetti rose (3).
Euproctis chrysorrhoea (brown-tail moth).....	Apple stock.
Do.....	Cotoneaster (2).
Do.....	(?)
Lepidosaphes ulmi (oyster-shell scale).....	Ceanothus.
Do.....	Cotoneaster amoena.
Do.....	Cotoneaster humifusa.
Notolophus antiqua (European tussock moth).....	Pear seedling.
Do.....	Lonicera sp.
Pierid.....	Philadelphus coronarius.
Rhynchophorus beetle(?) (Calandridae).....	Ginkgo biloba.
Rhynchophorus larva (Calandridae).....	Abies numidica.

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
FRANCE—continued.	
Insects—Continued.	
<i>Siassetia oleae</i> (black scale).....	Abutilon corillon.
Do.....	Abutilon flore.
<i>Saperda populnea</i> (small aspen borer).....	Populus bolleana.
<i>Tetranychus telarius</i> (red spider).....	(?).
Diseases:	
<i>Bacterium tumefaciens</i> (crown gall).....	Arborvitae.
Do.....	Rosa Manetti.
<i>Bacterium tumefaciens</i> (hairy root).....	Quince seedling.
<i>Exobasidium</i> sp.....	Azalea.
Nematode galls.....	(?)
GUATEMALA.	
Insects:	
<i>Anastrepha fraterculus</i> (?) (Trypetidae).....	Mango (3).
<i>Sitophilus linearis</i> (Tamarind seed weevil).....	Tamarind (seed).
Disease:	
<i>Aspergillus ochraceus</i>	Theobroma cacao (seeds).
HAWAII.	
Insect:	
<i>Carpophilus</i> sp.? (Nitidulidae).....	Dioscorea.
HOLLAND.	
Insects:	
Aphid.....	Acer platanoides.
Do.....	Japanese maples.
Do.....	Juniper.
Do.....	Roses.
Do.....	Spruce (blue).
<i>Aphodius</i> sp. (Scarabaeidae).....	(?).
<i>Armadillidium vulgare</i> (sow-bug).....	Boxwood.
<i>Athous niger</i> (Elateridae).....	In soil (around rhododendron roots).
Do.....	In soil (around rhododendrons).
<i>Coleophora</i> sp. (Elachistidae).....	Oak (red).
Curculionid.....	Andromeda.
Do.....	(?) (3).
Elaterid.....	(?) (2).
Do.....	In soil.
<i>Eriophyes quadrisetus</i> subsp. <i>juniperus</i> (juniper needle mite).....	<i>Juniperus procumbens</i> .
Forficulid (ear-wig).....	In case.
Formicid (flying ant).....	In soil (around rhododendrons).
<i>Gracilaria zachrysa</i> (azalea leaf-miner).....	Azalea.
<i>Julus fallax</i> (Milliped).....	Boxwood.
Lampyrid.....	(?).
Leaf miner.....	Holly.
<i>Lecanium corni</i> (European fruit Lecanium).....	Boxwood (7).
Do.....	Ornamental trees.
<i>Lecanium fletcherii</i> (scale insect).....	<i>Thuya occidentalis lutea</i> .
<i>Lecanium</i> sp. (scale insect).....	Buxus.
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Acer.
Do.....	Beech.
Do.....	Boxwood (109).
Do.....	Crab apple.
Do.....	<i>Crataegus</i> .
Do.....	Ornamental shrubs (2).
Do.....	Ornamental trees.
Do.....	Twigs (?) (2).
Do.....	(?).
<i>Leptobyrsa explanata</i> (Tingitidae).....	Rhododendrons (7).
Liparid (tussock moth).....	Azalea.

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
HOLLAND—continued.	
Insects—Continued.	
Malacosoma americana (tent-caterpillar).....	(?).
Malacosoma disstria (forest tent caterpillar).....	Crataegus.
Malacosoma neustria (European lackey moth).....	Boxwood.
Malacosoma sp. (?) (Lasiocampidae).....	(?).
Monarthropalpus buxi (box leaf miner).....	Boxwood (2).
Myrmica rubra subsp. laevinodis (ant).....	Boxwood.
Notolophus antiqua (European tussock moth).....	Hydrangea.
Do.....	Oak.
Do.....	Rose.
Oniscid (sow-bug).....	(?).
Do.....	In packing.
Otiorhynchid (beetle).....	Azalea hinodegiri.
Otiorhynchus sulcatus (Otiorhynchidae).....	(?).
Phyllodecta vulgatissima (Chrysomelidae).....	Laburnum.
Porthetria dispar (gipsy moth).....	Boxwood.
Psyche villosella (Psychidae).....	Juniperus aurea.
Psylla buxi (box psylla).....	Boxwood (30).
Do.....	Ornamental shrubs.
Sigibius puritanus (Chilopod).....	Packing (around Azalea hinodegiri).
Staphalinid.....	(?).
Tetranychus sp. (red spider).....	Boxwood.
Tingitid.....	Rhododendrons.
Tortricid.....	(?).
White grubs.....	In soil (around rhododendrons).
Wireworm.....	Do.
Wireworms.....	In soil.
Diseases:	
Aspergillus flavus.....	Solanum tuberosum.
Bacterium tumefaciens.....	Crataegus.
Bacterium tumefaciens (crown gall).....	Crab-apple.
Do.....	Rhododendron.
Do.....	Viburnum.
Botrytis cinerea.....	Kalmia.
Do.....	Rhododendrons (3).
Exobasidium sp.....	Azalea hinodegiri (2).
Exobasidium vaccinii.....	Rhododendron wilsonii.
Fusarium.....	Boxwood.
Penicillium sp.....	Solanum tuberosum.
Pestalozzia guepini.....	Kalmia latifolia (2).
Do.....	Rhododendrons.
Pestalozzia sp.....	Rhododendrons (3).
Phoma seposita.....	Wistaria.
Phyllosticta.....	Boxwood.
Phyllosticta mahoniaecola forma microspora.....	Mahonia sp.
Phyllosticta sp.....	Berberis japonica.
Do.....	Mahonia japonica.
Puccinia graminis (black rust of grain).....	In grass packing.
Rhabdospora sphaeroidea.....	Wistaria.
Schizophyllum commune.....	Do.
Tubercularia vulgaris.....	Do.
Volutella buxi.....	Boxwood.
INDIA.	
Insects:	
Bruchus chinensis (weevil).....	Cajanus indica.
Bruchus sp. (weevil).....	Desmodium.
Do.....	Desmodium pulchellum.
Do.....	Lephrosia candida.
Do.....	Mimosa rubricaulis.
Do.....	Piptanthus nepalensis (2).
Do.....	Porana racemosa.
Capsid.....	Ipomoea kingii.
Entedon sp. (?).....	Mimosa rubricaulis.
Do.....	Porana racemosa.
Iridomyrmex sp. (ant).....	Latanum macrodon.

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
JAPAN.	
Insects:	
Aegeriid.....	Pseudocerasus sp.
Aphid.....	Maple.
Do.....	Persimmons.
Aphis podi (plant-louse).....	(?).
Ceroplastes sp. (wax scale).....	Pyrus.
Chrysomphalus aurantii (California red scale).....	Shaddock.
Cnidocampa flavescentis (Oriental moth).....	Camellia (2).
Coccus hesperidum (soft brown scale).....	Cedars.
Crambus sp. (Pyralidae).....	In rice straw packing.
Crematogaster brevispinosa (ant).....	In packing.
Flathead borers.....	Photinia.
Formicid (ant).....	Sago palm.
Drosophila sp. (Drosophilidae).....	In packing.
Hemichionaspis aspidistrae (Aspidistra scale).....	Aspidistra leaves.
Iridomyrmex humilis (ant).....	In packing.
Lachnus sp. (Aphididae, sub-family Lachninae).....	Juniper.
Lasiocampid.....	Ilex crenata.
Lasius niger (ant).....	In packing.
Lecanium cerasorum (scale insect).....	Wistaria.
Lecanium sp. (scale insect).....	Nandina.
Do.....	Wistaria (3).
Melanauster chinensis (Cerambycidae).....	Fig trees (2).
Monomorium pharaonis (small red ant).....	In soil.
Otiorynchid.....	In packing.
Parlatoria pergandei (chaff scale).....	Camellia (2).
Phenacaspis sp. (scale insect).....	Shaddock.
Pseudaonidia duplex (scale insect).....	Azaleas.
Do.....	Camellia.
Do.....	Mokkoku plants.
Pseudococcus sp. (mealy bug).....	Nursery stock.
Do.....	Pine (umbrella).
Do.....	Retinospora obtusa.
Do.....	Wistaria (2).
Pulvinaria sp. (scale insect).....	Wistaria.
Thyridopteryx ephemeraeformis (bag worm).....	Cedar.
Do.....	Mokkoku plants.
Thyridopteryx sp. (Psychidae).....	Daphne.
Thrips.....	Maple.
Xyleborus sp. (Scolytidae).....	Wistaria.
Diseases:	
Anthraxnose.....	Aspidistra leaves.
Bacterium tumefaciens (crown gall).....	Azaleas.
Brown velvet fungus.....	Cherry trees.
Colletotrichum gloeosporioides.....	Citrus sinensis.
Do.....	Shaddock.
Fusarium sp.....	Citrus sinensis.
Penicillium sp.....	Do.
Pestalozzia.....	Quercus ternaticupula.
Sphaeropsis sp.....	Quercus sp.
JAVA.	
Diseases:	
Diplodia sp.....	Nephelium lappaceum.
Fusarium sp.....	Lansium domesticum.
Do.....	Nephelium lappaceum.
Saccharomyces sp.....	Do.
MEXICO.	
Insects:	
Formicid (ant).....	Orchid.
Harrisina brillians (Pyromorphidae).....	Cactus grandiflora.
Lepidosaphes beckii (purple scale).....	Grapefruit.
Parlatoria pergandei (chaff scale).....	Do.
Pseudomyrma gracilis var. mexicana (ant).....	Cactus grandiflora.

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
MEXICO—continued.	
Diseases:	
Colletotrichum gloeosporioides.....	Citrus grandis.
Do.....	Citrus sinensis.
Gloeosporium sp.....	Cactus grandiflora.
Penicillium digitatum.....	Citrus grandis.
Penicillium italicum.....	Do.
Penicillium sp.....	Limes.
Perisporium wrightii.....	Cactus grandiflora.
NEW ZEALAND.	
Insect:	
Aspidiotus camelliae (greedy scale).....	Meryta sinclairii.
NICARAGUA.	
Insects:	
(amponotus maculatus (ant).....	Tree fern.
Prenolepis sp. near mexicana (ant).....	Do.
PANAMA.	
Insects:	
Geometrid.....	Spruce (Koster's blue).
Phthorimaea operculella (Gelechiidae).....	Potatoes.
Diseases:	
Bacterial soft rot.....	Do.
Fusarium sp.....	Do.
Do.....	Solanum tuberosum.
PHILIPPINE ISLANDS.	
Insects:	
Araecerus fasciculatus (coffee-bean weevil).....	Sequidilla (seed).
Elaterid.....	Orchids.
Formicid (ant).....	Do.
Lophocateres pusillus (Ostomidae).....	Vigna sesquipedalis.
Parlatoria pseudaspidotus (scale insect).....	Orchids.
Pseudaonidia sp. (scale insect).....	Do.
Pseudococcus crotonis (mealy bug).....	Do.
Tenebrioides mauretanica (Trogostidae).....	Tendong seed.
Diseases:	
Aspergillus flavus.....	Psophocarpus tetragonolobus.
Fusarium sp.....	Do.
Mucor sp.....	Do.
PORTO RICO.	
Insects:	
Diatraea sp. (Pyralidae).....	Sugar cane.
Pseudococcus sacchari (mealy bug).....	Saccharum officinarum.
Pyralid (near Diatraea saccharalis).....	Sugar cane.
Pyroderces rileyi (Cosmopterygidae).....	Do.
Targionia sacchari (scale insect).....	Do.
Diseases:	
Aspergillus niger.....	Saccharum officinarum (seed piece).
Basisporium gallarum.....	Saccharum officinarum.
Cercospora vaginiae.....	Do.
Do.....	Saccharum officinarum var. Rayada
	(leaf sheaths).
Fungus.....	Dracaena.
Melanconium sacchari.....	Saccharum officinarum.
Do.....	Saccharum officinarum (seed piece).
Trichoderma lignorum.....	Do.
SCOTLAND.	
Insects:	
Aspidiotus hederæ (ivy scale).....	Palm's.
Sitodrepa panicea (Anobiidae).....	Potato (?).

List, by countries, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

Country of origin and name of pest.	Host.
SCOTLAND—continued.	
Diseases:	
Bacillus sp. (soft rot).....	Solanum tuberosum (tubers).
Fusarium sp.....	Do.
Penicillium sp.....	Do.
Rhizoctonia solani.....	Do.
SPAIN.	
Insect:	
Melanotus sp. (Elateridae).....	In earth ballast on ship.
STRAITS SETTLEMENTS.	
Insect:	
Tribolium madens (black flour beetle).....	Tubers.
Diseases:	
Penicillium sp.....	Dioscorea pantaphylla.
Do.....	Dioscorea pentaphylla var.
Rhabdospora sp.....	Scheelia insignia.
Rhizopus sp.....	Dioscorea pentaphylla.
Verticillium sp.....	Do.
SUMATRA.	
Insect:	
Tineid.....	Cotton.
TURKEY.	
Insect:	
Polyphaga aegyptiaca (Blattariae).....	Crude opium.
VENEZUELA.	
Insect:	
Aleuroplatus sp. (Aleurodidae).....	(?).

LIST, BY STATES AND TERRITORIES, OF PESTS COLLECTED AND REPORTED FROM APRIL 1, 1919, TO JUNE 30, 1919, INCLUSIVE.

[The number in parentheses following name of country indicates the number of times reported, if collected more than once.]

State in which collected and name of pest.	Host.	Country of origin.	Collector.
CALIFORNIA.			
Insects:			
Aphid.....	Cherry	France.....	L. R. Cody.
Do.....	Maple.....	Japan.....	G. R. Wilson.
Do.....	Persimmons.....	do.....	H. Sargent.
Aphis podi (plant louse).....	(?).....	do.....	D. P. T. MacDonald.
Aspidiotus brittannicus (scale insect).....	Bay trees.....	Belgium.....	C. H. Vary.
Do.....	do.....	do.....	J. W. Mashmeyer.
Camponotus maculatus (ant).....	Tree fern.....	Nicaragua.....	L. A. Whitney.
Ceroplastes sp. (wax scale).....	Pyrus.....	Japan.....	V. G. Stevens.
Coccus hesperidum (soft brown scale).....	Bay trees.....	Belgium.....	J. W. Mashmeyer.
Do.....	Laurel trees.....	Belgium (3).....	C. H. Vary.
Do.....	Mokkoku plants.....	Japan.....	J. W. Mashmeyer.
Crambus sp. (Pyralidae).....	Rice straw packing.....	do.....	C. H. Vary.
Crematogaster brevispinosa (ant).....	In packing.....	do.....	H. Sargent.
Diaspis boisduvalii (scale insect).....	Orchid plants.....	England.....	D. P. T. MacDonald.
Drosophila (Drosophilidae).....	In packing.....	Japan.....	V. G. Stevens.
Flathead borers.....	Photinia.....	do.....	G. R. Wilson.
Formicid (ant).....	Sago palm.....	do.....	D. P. T. MacDonald.
Do.....	Orchid.....	Mexico.....	G. R. Wilson.
Iridomyrmex humilis (ant).....	In packing.....	Japan.....	H. Sargent.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
CALIFORNIA—continued.			
Insects—Continued.			
Lachnus sp. (Aphididae, subfamily Lachninae).	Juniper.....	Japan.....	V. G. Stevens.
Lasius niger (ant).....	In packing.....	do.....	G. R. Wilson.
Lecanium cerasorum (scale insect).....	Wistaria.....	do.....	Do.
Lecanium sp. (scale insect).....	Nandina.....	do.....	D. P. T. MacDonald.
Do.....	Wistaria.....	do.....	J. W. Mashmeyer.
Do.....	do.....	do.....	V. G. Stevens.
Do.....	do.....	do.....	C. H. Vary.
Otiorynchid.....	In packing.....	do.....	H. Sargent.
Parlatoria pergandei (chaff scale).....	Camellia.....	do.....	H. R. Hunt.
Do.....	Camellias.....	do.....	J. W. Mashmeyer.
Parlatoria pseudaspidiotus (scale insect).....	Orchids.....	Philippine Islands.....	G. R. Wilson.
Prenolepis sp. near mexicana (ant).....	Tree fern.....	Nicaragua.....	L. A. Whitney.
Pseudaonidia duplex (scale insect).....	Azaleas.....	Japan.....	C. H. Vary.
Do.....	Camellia.....	do.....	V. G. Stevens.
Do.....	Mokkoku plant.....	do.....	J. W. Mashmeyer.
Pseudaonidia sp. (scale insect).....	Orchids.....	Philippine Islands.....	G. R. Wilson.
Pseudococcus crotonis (mealy bug).....	do.....	do.....	Do.
Pseudococcus sp. (mealy bug).....	Actus.....	England.....	L. A. Whitney.
Do.....	Erica sp.....	do.....	Do.
Do.....	Nursery stock.....	Japan.....	V. G. Stevens.
Do.....	Pine (umbrella).....	do.....	G. R. Wilson.
Do.....	Retinospora obtusa.....	do.....	H. Sargent.
Do.....	Wistaria.....	do.....	Do.
Do.....	do.....	do.....	C. H. Vary.
Pulvinaria sp. (scale insect).....	do.....	do.....	D. P. T. MacDonald.
Thyridopteryx ephemeraeformis (bag worm).....	Cedar.....	do.....	C. H. Vary.
Do.....	Mokkoku plants.....	do.....	J. W. Mashmeyer.
Thyridopteryx sp. (Psychidae).....	Daphne.....	do.....	V. G. Stevens.
Thrips.....	Maple.....	do.....	G. R. Wilson.
Xyleborus sp. (Scolytidae).....	Wistaria.....	do.....	D. P. T. MacDonald.
Disease:			
Penicillium sp.....	Limes.....	Mexico.....	L. A. Whitney.
CONNECTICUT.			
Insects:			
Aphodius sp. (Scarabaeidae).....	(?).....	Holland.....	B. H. Walden.
Coccus hesperidum (soft brown scale).....	Laurel (leaves and trees).....	Belgium (2).....	M. P. Zappe.
Curculionid.....	(?).....	Holland (2).....	Do.
Do.....	do.....	Holland.....	B. H. Walden.
Elaterid.....	do.....	Holland (2).....	M. P. Zappe.
Do.....	In soil.....	Holland.....	B. H. Walden.
Emphytus cinctus (sawfly).....	Manetti rose stocks.....	France.....	K. F. Chamberlain.
Do.....	do.....	do.....	M. P. Zappe.
Do.....	Rosa Manetti.....	do.....	B. H. Walden.
Euproctis chrysorrhoea (brown-tail moth).....	(?).....	do.....	M. P. Zappe.
Forficulid (earwig).....	In case.....	Holland.....	Do.
Lampyrid.....	(?).....	do.....	Do.
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	Holland (5).....	K. F. Chamberlain.
Do.....	do.....	Holland (6).....	B. H. Walden.
Do.....	do.....	Holland (5).....	M. P. Zappe.
Do.....	Ornamental shrubs.....	Holland.....	K. F. Chamberlain.
Do.....	(?).....	do.....	B. H. Walden.
Malacosoma neustria (European lackey moth).....	Boxwood.....	do.....	M. P. Zappe.
Malacosoma sp. (Lasiocampidae).....	(?).....	do.....	B. H. Walden.
Otiorynchus sulcatus (Otiorynchidae).....	do.....	do.....	M. P. Zappe.
Staphalinid.....	do.....	do.....	M. P. Zappe.
Disease:			
Bacterium tumefaciens (crown gall).....	Rosa manetti.....	France.....	B. H. Walden.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
DISTRICT OF COLUMBIA.			
Insects:			
Aleuroplatus sp. (Aleurodidae).....	(?).....	Venezuela.....	H. L. Sanford.
Alphitobius piceus (Tenebrionidae)....	Beans.....	Colombia.....	H. Y. Gouldman.
Do.....	Peas.....	do.....	Do.
Apicia confusaria (Geometridae).....	Boxwood.....	Belgium.....	C. A. Bennett.
Araecerus fasciculatus (coffee-bean weevil).....	Squidilla (seed).....	Philippine Islands..	H. L. Sanford
Armadillidum vulgare (sow-bug).....	Boxwood.....	Holland.....	H. Y. Gouldman.
Aspidiotus camelliae (greedy scale)....	Meryta sinclairii.....	New Zeland.....	E. R. Fasscer.
Bruchus chinensis (weevil).....	Cajanus indica.....	India.....	C. A. Weigel.
Bruchus obtectus (bean weevil).....	Phaseolus vulgaris.....	Colombia.....	Do.
Bruchid (weevil).....	Leguminosae.....	China.....	H. Y. Gouldman.
Bruchus sp. (weevil).....	Desmodium.....	India.....	C. A. Bennett.
Do.....	Desmodium pulchellum.....	do.....	C. A. Weigel.
Do.....	Lephrosia condida.....	do.....	Do.
Do.....	Mimosa rubricaulis.....	do.....	H. Y. Gouldman.
Do.....	Piptanthus nepalensis.....	India (2).....	Do.
Do.....	Porana recemosa.....	India.....	C. A. Weigel
Calandra oryza (rice-weevil).....	Rubus lutescens.....	England.....	C. A. Bennett.
Do.....	Wheat.....	Africa.....	H. Y. Gouldman.
Do.....	do.....	Australia.....	Do.
Capsid.....	Ipomoea kingii.....	India.....	Do.
Carpophilus dimidiatus (Nitidulidae)...	Beans.....	Colombia.....	Do.
Do.....	Peas.....	do.....	Do.
Carpophilus sp. (Nitidulidae).....	Dioscorea.....	Hawaii.....	C. A. Weigel.
Cathartus advena (foreign grain beetle)...	Coix.....	Brazil.....	N. Perrine.
Coccotrypes sp. (Scolytidae).....	Anona seed.....	Costa Rica.....	H. L. Sanford.
Do.....	Chamaedorea Karwinskiana.....	do.....	Do.
Crematogaster (ant).....	Bromelia.....	do.....	C. A. Weigel.
Curculionid.....	Wheat.....	Africa.....	H. Y. Gouldman.
Diatraea sp. (Pyralidae).....	Sugar cane.....	Porto Rico.....	C. A. Bennett.
Entedon sp. (?).....	Mimosa rubricaulis.....	India.....	H. Y. Gouldman.
Entedon sp.....	Porana racemosa.....	do.....	C. A. Weigel.
Euchroma gigantea var. goliath (Buprestidae).....	(?).....	Colombia.....	H. Y. Gouldman.
Howardia biclavus (mining scale).....	Cacao.....	British West Indies..	Do.
Iridomyrmex sp. (ant).....	Latanum macrodon.....	India.....	C. A. Weigel.
Julus fallax (Milliped).....	Boxwood.....	Holland.....	H. L. Sanford.
Lasioderma serricorne (cigarette beetle)...	Beans.....	Colombia.....	H. Y. Gouldman.
Do.....	Peas.....	do.....	Do.
Do.....	Seeds.....	do.....	Do.
Lecanium corni (European fruit Lecanium).....	Boxwood.....	Holland.....	H. L. Sanford.
Do.....	do.....	do.....	C. A. Weigel.
Lepidosaphes ulmi (oyster-shell scale)...	do.....	do.....	C. A. Bennett.
Do.....	do.....	do.....	H. L. Sanford.
Do.....	do.....	do.....	C. A. Weigel.
Loberus sp. (Cryptophagidae).....	Crotalaria sp.....	Colombia.....	Do.
Lonchaea polita (Sapromyzidae).....	Seeds (miscellaneous).....	do.....	H. Y. Gouldman.
Lophocateres pusillus (Ostomidae).....	Vigna sesquipedalis.....	Philippine Islands..	Do.
Macrosiphum sanborni (chrysanthemum aphid).....	Greenhouse plants.....	Belgium.....	C. A. Weigel.
Microbracon sp. (Braconidae).....	Trifolium panormitanum.....	Algeria.....	Do.
Monarthropalpus buxi (box leaf miner)...	Boxwood.....	Holland.....	H. L. Sanford.
Do.....	do.....	do.....	C. A. Weigel.
Myrmica rubra subsp. laevinodis (ant).....	do.....	do.....	H. Y. Gouldman.
Otiorynchid (beetle).....	Azalea hinodegiri.....	do.....	Do.
Parlatoria calianthina (scale insect)....	Pyrus communis.....	Algeria.....	N. Perrine.
Parlatoria pergandei (chaff scale).....	Citrus.....	China.....	Do.
Pheidole sp. (ant).....	Bromelias.....	Costa Rica.....	H. Y. Gouldman.
Do.....	Orchids.....	do.....	Do.
Phycitid (Pyralidae).....	Cotton seed.....	Algiers.....	N. Perrine.
Pseudococcus sacchari (mealy bug).....	Saccharum officinarum.....	Porto Rico.....	J. A. Stevenson.
Do.....	Sugar cane.....	Cuba.....	N. Perrine.
Pyralid (near Diatraea saccharalis).....	do.....	Porto Rico.....	C. A. Bennett.
Pyroderces rileyi (Cosmopterygidae)...	do.....	do.....	Do.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
DISTRICT OF COLUMBIA—continued.			
Insects—Continued.			
Saissetia hemisphaerica (hemispherical scale).	Chrysanthemum.....	Australia.....	C. A. Weigel.
Sigibius puritanus (Chilopod).....	Packing about Azalea hino-degiri.	Holland.....	H. Y. Gouldman.
Silvanus surinamensis (saw-toothed grain beetle).	Beans.....	Colombia.....	Do.
Do.....	Peas.....	do.....	Do.
Do.....	Wheat.....	Australia.....	Do.
Sitodrepa panicea (Anobiidae).....	Potato (?).....	Scotland.....	Do.
Strategus julianus (Scarabaeidae).....	(?).....	Colombia.....	Do.
Targionia hartii (scale insect).....	Sweet potatoes.....	Africa.....	Do.
Do.....	Yams.....	do.....	Do.
Targionia sacchari (scale insect).....	Sugar cane.....	Porto Rico.....	C. A. Bennett.
Tenebrioides mauritanica (Trogostidae)	Tendong seed.....	Philippine Islands..	Do.
Tineid.....	Cotton.....	Sumatra.....	H. Y. Gouldman.
Tribolium confusum (confused flour beetle).	Wheat.....	Australia.....	Do.
Tribolium madens (black flour beetle)..	Tubers.....	Straits Settlements.	C. A. Weigel.
Diseases:			
Aspergillus sp.....	Oxalis.....	Argentina.....	J. A. Stevenson.
Aspergillus flavus.....	Larrea divaricata.....	do.....	Do.
Do.....	Psophocarpus tetragonolobus	Philippine Islands..	Do.
Do.....	Saccharum officinarum (stalks).	Cuba.....	Do.
Do.....	Solanum tuberosum.....	Holland.....	Do.
Do.....	Theobroma cacao.....	Brazil.....	Do.
Aspergillus niger.....	Saccharum officinarum.....	Porto Rico.....	Do.
Do.....	Solanum tuberosum (tubers).	Colombia.....	Do.
Aspergillus ochraceous.....	Theobroma cacao (seeds).....	Guatemala.....	Do.
Bacillus sp. (soft rot).....	Solanum tuberosum (tubers).	Scotland.....	J. T. Rogers.
Basisporium gallarum.....	Saccharum officinarum.....	Porto Rico.....	J. A. Stevenson.
Cephalothecium roseum.....	Chrysanthemum.....	Australia.....	Do.
Cercospora vaginiae.....	Saccharum officinarum.....	Cuba.....	Do.
Do.....	do.....	Porto Rico.....	Do.
Do.....	Saccharum officinarum var. Rayada (leaf sheaths).	do.....	Do.
Chaetomium olivaceum.....	Oxalis.....	Argentina.....	Do.
Cladosporium graminum.....	Eremochloa ophiuroides.....	China.....	C. H. Kauffman.
Cladosporium sp.....	Ipomoea batatas.....	British West Indies.	J. A. Stevenson.
Cladotrichum sp.....	Strophanthus gratus.....	Africa.....	J. Monteith, jr.
Colletotrichum sp.....	Avocado.....	Ecuador.....	J. T. Rogers.
Dendrodochium sp.....	Oxalis.....	Argentina.....	J. A. Stevenson.
Diplodia sp.....	Nephelium lappaceum var. Ramb. Atjeh Kouto.	Java.....	J. T. Rogers.
Diplodia tubericola.....	Ipomoea batatas.....	British West Indies.	J. A. Stevenson.
Diplosporium sp.....	Achras zapota.....	Africa.....	J. Monteith, jr.
Fusarium sp.....	Boxwood.....	Holland.....	J. T. Rogers.
Do.....	Achras zapota.....	Africa.....	J. Monteith, jr.
Do.....	Cassia fistula.....	do.....	Do.
Do.....	Citrus (fruit).....	China.....	J. A. Stevenson.
Do.....	Colocasia esculenta.....	British West Indies.	Do.
Do.....	Elephantopus floribunda.....	Africa.....	J. Monteith, jr.
Do.....	Eremochloa ophiuroides.....	China.....	C. H. Kauffman.
Do.....	Hyophorbe verschaffeltii.....	Africa.....	J. Monteith, jr.
Do.....	Ipomoea batatas.....	British West Indies.	J. A. Stevenson.
Do.....	Lansium domesticum.....	Java.....	J. Monteith, jr.
Do.....	Nephelium lappaceum.....	do.....	Do.
Do.....	do.....	do.....	J. T. Rogers.
Do.....	Psophocarpus tetragonolobus (seed).	Philippine Islands..	J. A. Stevenson.
Do.....	Solanum tuberosum (tubers).	Colombia.....	Do.
Do.....	do.....	Scotland.....	J. T. Rogers.
Do.....	Tephrosia vogelii.....	Africa.....	J. Monteith, jr.
Do.....	Thrinax microcarpa.....	do.....	Do.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
DISTRICT OF COLUMBIA—continued.			
Diseases—Continued.			
Gloeosporium sp.....	Cactus grandiflora.....	Mexico.....	G. H. Weinert.
Melanconium sacchari.....	Saccharum officinarum (stalks).	Cuba.....	J. A. Stevenson.
Do.....	Saccharum officinarum (seed piece).	Porto Rico.....	Do.
Do.....	Saccharum officinarum.....	do.....	Do.
Monilia sp.....	Caryocar nucifera.....	British Guiana.....	J. T. Rogers.
Mucor sp.....	Psophocarpus tetragonolobus.....	Philippine Islands.....	J. A. Stevenson.
Mycogyne puccinioides.....	Elephantopus floribunda.....	Africa.....	J. Monteith, jr.
Penicillium digitatum.....	Citrus (fruit).....	China.....	J. A. Stevenson.
Do.....	Dioscorea pentaphylla.....	British West Indies.....	Do.
Do.....	do.....	Straits Settlements.....	Do.
Penicillium sp.....	do.....	do.....	Do.
Do.....	Ipomoea batatas.....	British West Indies.....	Do.
Do.....	Saccharum officinarum.....	Cuba.....	Do.
Do.....	Solanum tuberosum.....	Holland.....	J. T. Rogers.
Do.....	Solanum tuberosum (tubers).....	Colombia.....	J. A. Stevenson.
Do.....	do.....	Scotland.....	J. T. Rogers.
Perisporium wrightii.....	Cactus grandiflora.....	Mexico.....	G. H. Weinert.
Pestalozzia sp.....	Quercus ternaticupula.....	Japan.....	J. A. Stevenson.
Do.....	Rhipsalis (cuttings).....	Ecuador.....	J. T. Rogers.
Phoma seposita.....	Wistaria.....	Holland.....	Do.
Phyllachora trifolii.....	Trifolium panormitanum.....	Algeria.....	J. A. Stevenson.
Phyllosticta sp.....	Boxwood.....	Holland.....	J. T. Rogers.
Rhabdospora sp.....	Scheelia insignis.....	Straits Settlements.....	C. H. Kauffman.
Rhabdospora sphaeroides.....	Wistaria.....	Holland.....	J. T. Rogers.
Rhizoctonia solani.....	Solanum tuberosum (tubers).....	Scotland.....	Do.
Rhizopus nigricans.....	Dioscorea pentaphylla.....	British West Indies.....	J. A. Stevenson.
Do.....	Ipomoea batatas.....	do.....	Do.
Rhizopus sp.....	Dioscorea pentaphylla.....	Straits Settlements.....	Do.
Saccharomyces sp.....	Nephelium lappaceum.....	Java.....	J. T. Rodgers.
Schizophyllum commune.....	Wistaria.....	Holland.....	Do.
Sclerotium rolfsii.....	Colocasia esculenta.....	British West Indies.....	J. A. Stevenson.
Sphaeropsis sp.....	Quercus sp.....	Japan.....	Do.
Sporotrichum sp.....	Tephrosia vogelii.....	Africa.....	Do.
Trichoderma lignorum.....	Saccharum officinarum (seed piece).	Porto Rico.....	Do.
Tubercularia vulgaris.....	Wistaria.....	Holland.....	J. T. Rogers.
Verticillium sp.....	Dioscorea pentaphylla.....	Straits Settlements.....	J. A. Stevenson.
Do.....	Oxalis.....	Argentina.....	Do.
Volutella buxi.....	Boxwood.....	Holland.....	J. T. Rogers.
Zychoerhynchus sp.....	Caesalpinia.....	Africa.....	J. Monteith, jr.
FLORIDA.			
Insect:			
Carpophilus dimidiatus (Nitidulidae).....	Tubers.....	Cuba.....	(?)
ILLINOIS.			
Insects:			
Aphid.....	Juniper.....	Holland.....	P. A. Glenn.
Do.....	Spruce (blue).....	do.....	Do.
Chrysomphalus aonidum (Florida red scale).....	Bay tree.....	Belgium.....	G. E. Fager.
Eriophyes quadrisetus subsp. juniperus (juniper needle-mite).....	Juniperus procumbens.....	Holland.....	A. H. Hill.
Hemichionaspis aspidistrae (Aspidistra scale).....	Aspidistra.....	Bermuda.....	G. E. Fager.
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	Holland.....	F. Bengert.
Do.....	do.....	do.....	C. B. Dull.
Do.....	do.....	Holland (2).....	G. E. Fager.
Oniscid (sow-bug).....	(?).....	Holland.....	W. E. Britton.
Do.....	In packing.....	do.....	P. A. Glenn.
Wireworms.....	Soil.....	do.....	C. J. Bougert.
Disease:			
Anthraxnose.....	Aspidistra leaves.....	Japan.....	C. B. Dull.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
INDIANA.			
Insects:			
Elaterid.....	Abies roots.....	France.....	P. Spong.
Euproctis chrysorrhoea (brown-tail moth).....	Apple stock.....	do.....	E. Smith.
Tetranychus telarius (red spider).....	(?).....	do.....	Do.
Diseases:			
Bacterium tumefaciens (crown gall).....	Arborvitae.....	do.....	P. Spong.
Nematode galls.....	(?).....	do.....	E. Smith.
IOWA.			
Insect:			
Rhynchophorus larva (Calandridae).....	Abies numidica.....	do.....	H. Ness.
KENTUCKY.			
Disease:			
Phyllosticta mahoniaecola forma microspora.....	Mahonia sp.....	Holland.....	H. Garman.
LOUISIANA.			
<i>New Orleans (Federal Inspection).</i>			
Insect:			
Tetranychus sp. (red spider).....	Boxwood.....	Holland.....	E. Foster.
Insects:			
Alphitobius piceus (Tenebrionidae).....	Wheat.....	Australia.....	O. K. Courtney.
Anastrepha fraterculus (?) (Trypetidae).....	Grapefruit.....	Cuba.....	Do.
Do.....	Mangos.....	Cuba (3).....	Do.
Do.....	do.....	Guatemala (3).....	Do.
Calandra granaria (granary weevil).....	Grain.....	Australia.....	Do.
Calandra oryza (rice weevil).....	Wheat.....	do.....	Do.
Coccotrypes sp. (Scolytidae).....	Palm nuts.....	Africa.....	Do.
Cymatodera sp.....	do.....	do.....	Do.
Drosophila (?).....	Mango.....	Cuba.....	Do.
Lepidosaphes beckii (purple scale).....	Grapefruit.....	Mexico.....	Do.
Melanotus sp. (Elateridae).....	Earth ballast on ship.....	Spain.....	Do.
Parlatoria pergandei (chaff scale).....	Grapefruit.....	Mexico.....	Do.
Phthorimaea operculella (Gelechiidae).....	Potatoes.....	Panama.....	Do.
Sitophilus linearis (Tamarind-seed weevil).....	Tamarind (seed or beans).....	Guatemala.....	Do.
Diseases:			
Bacterial soft root.....	Potatoes.....	Panama.....	Do.
Colletotrichum gloeosporioides.....	Citrus sinensis.....	Mexico (2).....	Do.
Do.....	Citrus grandis.....	Mexico.....	Do.
Fusarium sp.....	Potatoes.....	Panama.....	Do.
Do.....	Solanum tuberosum.....	do.....	Do.
Penicillium digitatum.....	Citrus grandis.....	Mexico.....	Do.
Penicillium italicum.....	do.....	do.....	Do.
MAINE.			
Insect:			
Lepidosaphes ulmi (oyster-shell scale).....	Ornamental shrub.....	Holland.....	D. S. Clement.
MARYLAND.			
Insects:			
Lecanium corni (European fruit Lecanium).....	Ornamental trees.....	Holland.....	E. N. Cory.
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	do.....	Do.
Do.....	do.....	Holland (4).....	C. B. Nichols.
Do.....	do.....	Holland (2).....	C. E. Temple.
Do.....	Ornamental trees.....	Holland.....	E. N. Cory.
MASSACHUSETTS.			
Insects:			
Coccus hesperidum (soft brown scale).....	Bay trees.....	Belgium.....	R. H. Allen.
Lepidosaphes ulmi (oyster-shell scale).....	Acer.....	Holland.....	C. W. Nash.
Do.....	Boxwood.....	do.....	P. B. Armstrong.
Do.....	do.....	Holland (5).....	J. R. Brubaker.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
MASSACHUSETTS—continued.			
Insects—Continued.			
Lepidosaphes ulmi (oyster-shell scale).	Boxwood	Holland	P. A. Mader.
Do.	do.	do.	D. Potter.
Notolophus antiqua (European tussock moth).	Hydrangea	do.	P. B. Armstrong.
Do.	Rose	do.	Do.
Porthetria dispar (gipsy moth).	Boxwood	do.	D. Potter.
Diseases:			
Exobasidium sp.	Rhododendrons	England	P. B. Armstrong.
Do.	Azalea	France	L. H. Taylor.
MISSISSIPPI.			
Insects:			
Aspidiotus hederæ (ivy scale).	Bay trees	Belgium	J. M. Langston.
Coccis hesperidum (soft brown scale).	do.	do.	Do.
MISSOURI.			
Insect:			
Lepidosaphes ulmi (oyster-shell scale).	Boxwood	Holland	K. C. Sullivan.
NEW JERSEY.			
Insects:			
Aphid.	Japanese maples	Holland	E. West.
Aspidiotus hederæ (ivy scale).	Palms	England (2)	G. L. Walters.
Do.	do.	Scotland	Do.
Gracilaria zachrysa (azalea leaf miner).	Azalea	Holland	A. S. Nicolay.
Lecanium corni (European fruit Lecanium).	Boxwood	Holland (3)	E. West.
Lepidosaphes ulmi (oyster-shell scale).	do.	Holland	G. L. Walters.
Do.	do.	Holland (8)	E. West.
Psylla buxi (box psylla).	do.	Holland (17)	A. S. Nicolay.
Tingitid (lace-bug).	Rhododendrons	Holland	Do.
Diseases:			
Bacterium tumefaciens (crown gall).	Azaleas	Japan	Do.
Botrytis cinerea.	Kalmia	Holland	E. West.
Do.	Rhododendrons	Holland (3)	Do.
Puccinia graminis (black rust of grain).	On grass packing.	Holland	Do.
NEW YORK.			
<i>New York City (Federal Inspection).</i>			
Insects:			
Alphitobius piceus (Tenebrionidae).	Seeds	Colombia	D. G. Tower.
Blaberus atropis (roach).	Orchids	do.	Do.
Bruchus sp. (weevil).	Seeds	do.	Do.
Monomorium pharaonis (small red ant).	do.	do.	Do.
Necrobia rufipes (red-legged ham beetle).	Palm nut kernels	Africa	H. B. Shaw.
Panchlora sp. (roach).	Orchids	Colombia	D. G. Tower.
Periplaneta australasiae (roach).	do.	do.	Do.
Polyphaga aegyptiaca (Blattariae).	Opium (crude)	Turkey	H. B. Shaw.
Pycnoscelus surinamensis (roach).	Orchids	Colombia	D. G. Tower.
Do.	In soil (about Bougainvillea)	British West Indies	H. B. Shaw.
Do.	In soil (about rose)	do.	Do.
Diseases:			
Bacterial soft rot.	Avocados	Colombia (2)	Do.
Fungus.	Dracaena	Porto Rico	Do.
Fusarium sp.	Avocados	Colombia (2)	Do.
Gloeosporium sp.	Persea gratissima	Colombia	Do.
Pestalozzia guepini.	Avocados	Colombia (2)	Do.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
OHIO.			
Insects:			
Lepidosaphes ulmi (oyster-shell scale).	Boxwood.....	Holland (2).....	H. E. Evans.
Do.....	do.....	do.....	R. Faxon.
Notolophus antiqua (European tussock moth).	Pear seedlings.....	France.....	H. E. Evans.
Disease:			
Bacterium tumefaciens (hairy root)....	Quince seedlings.....	do.....	Do.
PENNSYLVANIA.			
Insects:			
Aegeriid.....	Pseudocerasus sp.....	Japan.....	F. M. Trimble.
Aphid.....	Bay trees.....	Belgium.....	P. M. Richards.
Athous niger (Elateridae).....	Soil (around roots of rhododendrons).	Holland.....	J. K. Primm.
Coccus hesperidum (soft brown scale)...	Oranges.....	England.....	F. M. Trimble.
Coleophora sp. (Elachistidae).....	Oak (red).....	Holland.....	D. L. Dolbin.
Curculionid.....	Andromeda.....	do.....	G. B. Stichter.
Diaspis boisduvalii (scale insect).....	Orchids.....	England.....	F. M. Trimble.
Do.....	Pandanus.....	Bermuda.....	Do.
Do.....	Pandanus veitchii.....	do.....	Do.
Diaspis sp. (scale insect).....	do.....	do.....	J. K. Primm.
Eucalymnatus tessellatus (tessellated scale).	Cypripedium.....	England.....	Do.
Euproctis chrysorrhoea (brown-tail moth).	Cotoneaster.....	France (2).....	Do.
Formicid (flying ant).....	In soil (around rhododendrons).	Holland.....	Do.
Gracilaria zachrysa (azalea leaf-miner)...	Azalea.....	Belgium.....	Do.
Do.....	do.....	do.....	F. M. Trimble.
Hemichionaspis aspidistra (Aspidistra scale).	Aspidistra.....	Japan.....	J. K. Primm.
Do.....	Azalea sp.....	Belgium.....	Do.
Lasiocampid.....	Ilex crenata.....	Japan.....	D. L. Dolbin.
Leaf miner.....	Holly.....	Holland.....	P. A. Mader.
Lecanium corni (European fruit Lecanium).	Boxwood.....	do.....	J. K. Primm.
Do.....	do.....	do.....	F. M. Trimble.
Lecanium fletcherii (scale insect).....	Thuya occidentalis.....	do.....	Do.
Lepidosaphes beckii (purple scale).....	Oranges.....	England.....	Do.
Lepidosaphes ulmi (oyster-shell scale)...	Beech.....	Holland.....	H. B. Kirk.
Do.....	Cotoneaster amoena.....	France.....	F. M. Trimble.
Do.....	Cotoneaster humifusa.....	do.....	Do.
Do.....	Boxwood.....	Holland (7).....	D. L. Dolbin.
Do.....	do.....	Holland (3).....	T. L. Guyton.
Do.....	do.....	Holland (23).....	P. A. Mader.
Do.....	do.....	Holland (6).....	J. K. Primm.
Do.....	do.....	Holland (5).....	P. M. Richards.
Do.....	do.....	Holland.....	G. B. Stichter.
Do.....	do.....	Holland (15).....	F. M. Trimble.
Leptobyrssa explanata (Tingitidae).....	Rhododendrons.....	Holland (3).....	J. K. Primm.
Do.....	do.....	Holland (4).....	F. M. Trimble.
Liparid (tussock moth).....	Azalea.....	Holland.....	J. K. Primm.
Malacosoma distria (forest tent caterpillar).	Crataegus.....	do.....	F. M. Trimble.
Notolophus antiqua (European tussock moth).	Lonicera sp.....	France.....	Do.
Do.....	Oak.....	Holland.....	D. L. Dolbin.
Pierid.....	Philadelphus coronarius.....	France.....	J. K. Primm.
Psyche villosella (Psychidae).....	Juniperus aurea.....	Holland.....	F. M. Trimble.
Psylla buxi (box psylla).....	Boxwood.....	Holland (6).....	P. A. Mader.
Do.....	do.....	do.....	F. M. Trimble.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
PENNNSYLVANIA—continued.			
Insects—Continued.			
Phyllosticta sp.....	Mahonia japonica.....	Holland.....	J. K. Primm.
Phylctænia ferrugalis (greenhouse leaf tyer).	Azalea.....	Belgium.....	P. A. Mader.
Phylloocta vulgatissima (Chrysomelidae).	Laburnum.....	Holland.....	D. L. Dolbin.
Rhynchophorus beetle (?).....	Gingko biloba.....	France.....	J. K. Primm.
Saissetia oleae (black scale).....	Abutilon corillon.....	do.....	F. M. Trimble.
Do.....	Abutilon flore.....	do.....	Do.
White grubs.....	In soils (about rhododendrons).	Holland.....	J. K. Primm.
Wireworm.....	do.....	do.....	Do.
Diseases:			
Bacterium tumefaciens (crown gall)...	Mazard stock.....	France.....	F. M. Trimble.
Exobasidium sp.....	Azalea hinodegiri.....	Holland.....	D. L. Dolbin.
Do.....	do.....	do.....	J. K. Primm.
Do.....	Azaleas.....	Belgium.....	Do.
Do.....	do.....	do.....	F. M. Trimble.
Exobasidium vaccinii.....	Rhododendron wilsonii.....	Holland.....	Do.
Pestalozzia guenini.....	Kalmia latifolia.....	do.....	P. A. Mader.
Do.....	do.....	do.....	J. K. Primm.
Pestalozzia sp.....	Rhododendrons.....	Holland (3).....	F. M. Trimble.
Phyllosticta sp.....	Berberis japonica.....	Holland.....	J. K. Primm.
SOUTH DAKOTA.			
Insects:			
Aphid.....	Roses.....	do.....	G. Gilbertson.
Armadillidium vulgare.....	(?).....	France.....	Do.
Lepidosaphes ulmi (oyster-shell scale).	Crab-apple.....	Holland.....	H. C. Severn.
Malacosoma americana (tent caterpillar).	(?).....	do.....	Do.
Tortricid.....	(?).....	do.....	Do.
Diseases:			
Bacterium tumefaciens (crown gall)...	Crab-apple.....	do.....	Do.
Do.....	Viburnum.....	do.....	Do.
TEXAS.			
Brownsville (Federal inspection).			
Insects:			
Harrisina brillians (Pyromorphidae)...	Cactus grandiflora (?).....	Mexico.....	G. H. Weinert.
Pseudomyrma gracilis var. mexicana (ant).	do.....	do.....	Do.
VIRGINIA.			
Insects:			
Lecanium sp. (scale insect) (?).....	Boxwood.....	Holland.....	G. W. Underhill.
Lepidosaphes ulmi (oyster-shell scale).	do.....	Holland (2).....	Do.
WASHINGTON.			
Seattle (Federal inspection).			
Insects:			
Chrysomphalus aurantii (California red scale).	Shaddock.....	Japan.....	H. Sargent.
Phenacaspis sp. (scale insect).....	do.....	do.....	Do.
Diseases:			
Colletotrichum gloeosporioides.....	Citrus sinensis.....	do.....	Do.
Do.....	do.....	do.....	A. G. Webb.
Fusarium sp.....	do.....	do.....	Do.
Penicillium sp.....	do.....	do.....	Do.
Pseudomonas citri.....	Oranges.....	China (2).....	Do.

List, by States and Territories, of pests collected and reported from April 1, 1919, to June 30, 1919, inclusive—Continued.

State in which collected and name of pest.	Host.	Country of origin.	Collector.
WISCONSIN.			
Insects:			
Aphid.....	Acer platanoides.....	Holland.....	S. B. Fracker.
Geometrid.....	Spruce (Koster's blue).....	Panama.....	T. T. Haack.
Lepidosaphes ulmi (oyster-shell scale).....	Crataegus.....	Holland.....	S. B. Fracker.
Psylla buxi (box psylla).....	Ornamental shrubs.....	do.....	Do.
Saperda populnea (small aspen borer).....	Populus bolleana.....	France.....	T. T. Haack.
Diseases:			
Bacterium tumefaciens.....	Crataegus.....	Holland.....	S. B. Fracker.
Pestalozzia guepini.....	Rhododendrons.....	do.....	Do.
HAWAII.			
Insects:			
Cnidocampa flavescens (Oriental moth).....	Camellia.....	Japan.....	D. B. Langford.
Elaterid.....	Orchids.....	Philippine Islands..	Do.
Formicid (ant).....	do.....	do.....	Do.
Melanauster chinensis (Cerambycidae).....	Fig trees.....	Japan (2).....	Do.
Monomorium pharaonis (small red ant).....	In soil.....	Japan.....	Do.
Disease:			
Brown velvet fungus.....	Cherry trees.....	do.....	Do.